**Name of Work:- Improvements to roads and drains of Balaji Layout amruthahalli in ward 07, Byatarayanapura**

| S.N | DESCRIPTION OF WORK | Unit | N | L | B | D | QTY | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1) | | | | | | | | |
| | road next ganesh upahar hotel | | 1 | 85.00 | 4.50 | 0.30 | 114.75 | | |
| | cross road 1 | | 1 | 25.00 | 2.00 | 0.30 | 15.00 | | |
| | cross road 2 | | 1 | 20.00 | 4.00 | 0.30 | 24.00 | | |
| | Amrutha school road | | 1 | 169.00 | 4.00 | 0.30 | 202.80 | | |
| | Over burden earth | | 1 | 60.00 | 1.00 | 0.50 | 30.00 | | |
| | Basic Rate: | cum | **82.00** | | | | **386.55** | 98.30 | 37999.00 |
| | Add 11% as per circulardated 06.02.18 | | **9.02** | | | | | | |
| | Area Weightage @ 8% | | 7.28 | | | | | | |
| | Total | | **98.30** | | | | | | |
| 2 | KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.12, It.4.3)** | | | | | | | | |
| | road next ganesh upahar hotel | | 1.00 | 85.00 | 4.50 | 0.15 | 57.38 | | |
| | cross road 1 | | 1.00 | 25.00 | 2.00 | 0.15 | 7.50 | | |
| | cross road 2 | | 1.00 | 20.00 | 4.00 | 0.15 | 12.00 | | |
| | Amrutha school road | | 1.00 | 169.00 | 4.00 | 0.15 | 101.40 | | |
| | Basic Rate: | cum | **4867.00** | | | | **178.28** | 5834.56 | 1040157.00 |
| | Add 11% as per circulardated 06.02.18 | | **535.37** | | | | | | |
| | Area Weightage @ 8% | | 432.19 | | | | | | |
| | Total | | **5834.56** | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3 | Cement concrete pavement. Construction of un-reinfirced plain cement concrete pavement, thickness as per deisgn, over a prepraed sub base with OPC cement or any other type as per clause 1051..2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates ,with superplastiser @ 3lts confirming to IS9103-1999 REAFFIRMED-2008, Mixed in a concrete mixer of not less than 0.6 cum capacity and approximate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates inlcuding levelling the form work as per drawing) and spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continous operation including, provision of contraction, expansion, construction operation including longitudinal joints, including groove cutting charges joint filler, sparation menebrane, sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specfication.M20 (AT 300 Kg per cum coarse aggregats @ 0.69cum and fine aggregate @0.43cum) (Pg No.177, It No.22.6.1) | | | | | | | | |
| | road next ganesh upahar hotel | | 1.00 | 85.00 | 4.50 | 0.10 | 38.25 | | |
| | cross road 1 | | 1.00 | 25.00 | 2.00 | 0.10 | 5.00 | | |
| | cross road 2 | | 1.00 | 20.00 | 4.00 | 0.10 | 8.00 | | |
| | Amrutha school road | | 1.00 | 169.00 | 4.00 | 0.10 | 67.60 | | |
| | | | | | | | **118.85** | 7205.99 | 856432.00 |
| | Basic Rate: | cum | 6011.00 | | | | | | |
| | Add 11% as per circulardated 06.02.18 | | **661.21** | | | | | | |
| | Area Weightage @ 8% | | 533.78 | | | | | | |
| | Total | | **7205.99** | | | | | | |
| 4 | KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1) | | | | | | | | |
| | Basic Rate | cum | **68.00** | | | | 386.55 | 116.08 | 44871.00 |
| | Add 11% as per circulardated 06.02.18 | | **7.48** | | | | | | |
| | Rs. 2.50 Tonne Km. | | | | | | | | |
| | Average Weight of earth 1.28 Tonne/Km. | | | | | | | | |
| | For 10 Km | | | | | | | | |
| | Rs.2.50X1.28TonneX10K | | **32.00** | | | | | | |
| | Total | | **107.48** | | | | | | |
| | Add Area Weightage8% | | **8.60** | | | | | | |
| | | | **116.08** | | | | | | |
| 5 | | | | | | **Sub Total** | | | 1979459.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | | | | Add 1% Third party inspection charges | | | 19794.59 |
| 7 | | | | Miscelleneous charges | | | 746.41 |
| 8 | | | | | | Total | 2000000.00 |

1)This is certified that the work spot comes under BBMP limits only.
2) The work spot is inspected by me
3) The items Provided in the Estimate are quite Essential
4)The rates are as per CSR of 2016-17 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatrayanapura Division
B.B.M.P.

TECHNICAL SANCTION
Accorded For Rs. Twenty lakhs only
Head of A/c. P-1771
Div. Ref. No. 105/17-18 Date. 17/02/18
AE
EE(BTP)

Administrative Approval
Accorded For Rs. Twenty five lakhs only
Head of A/C. P-1771
CER NO : AS/322/ 08.02.18

TA
CE (YNK)